MEMORY HUB AND METHOD FOR MEMORY SYSTEM PERFORMANCE MONITORING

ABSTRACT OF THE DISCLOSURE

A memory module includes a memory hub coupled to several memory devices. The memory hub includes at least one performance counter that tracks one or more system metrics—for example, page hit rate, number or percentage of prefetch hits, cache hit rate or percentage, read rate, number of read requests, write rate, number of write requests, rate or percentage of memory bus utilization, local hub request rate or number, and/or remote hub request rate or number.